

Figure 1

Best Available Copy

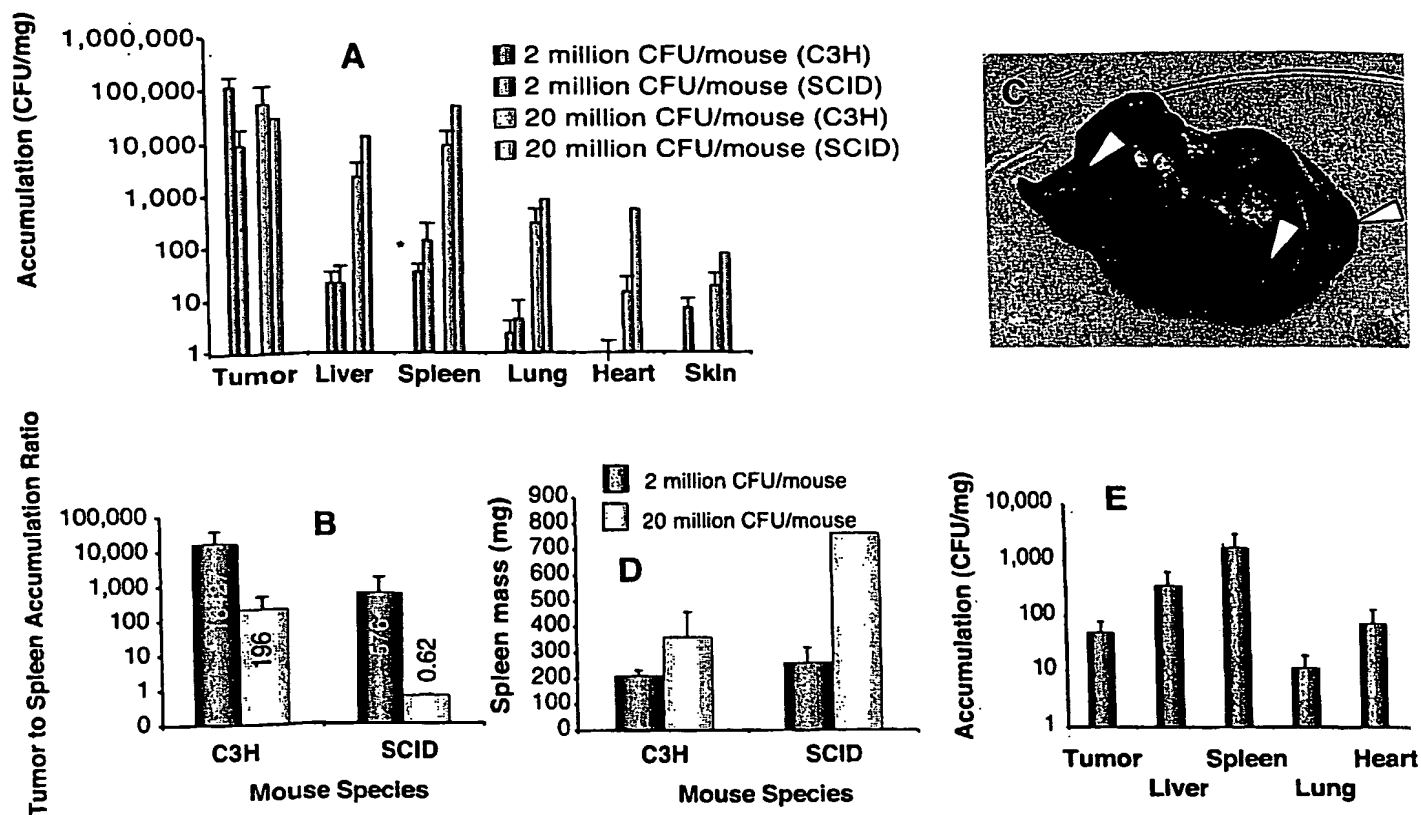


Figure 2

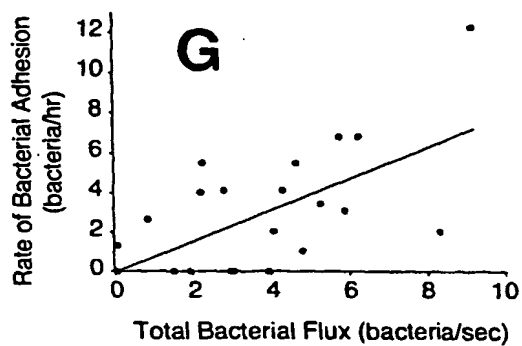
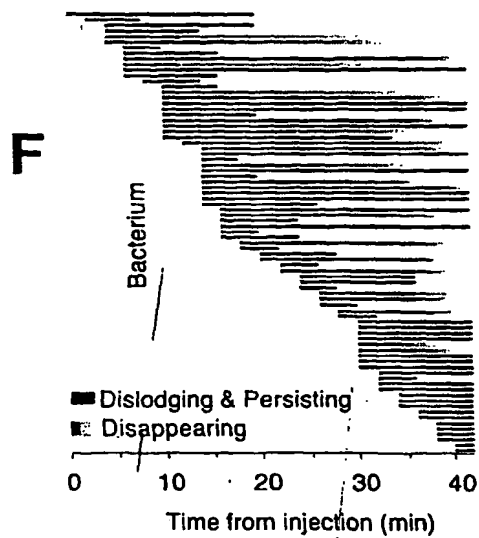
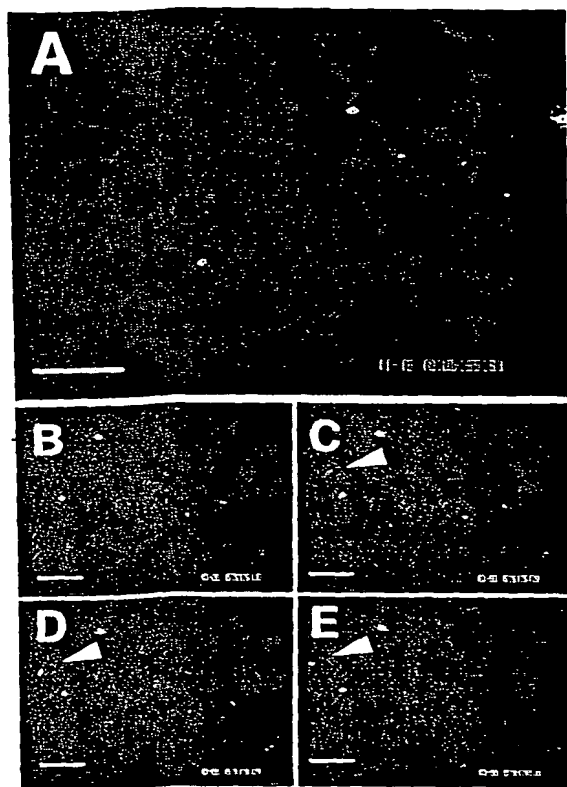


Figure 3

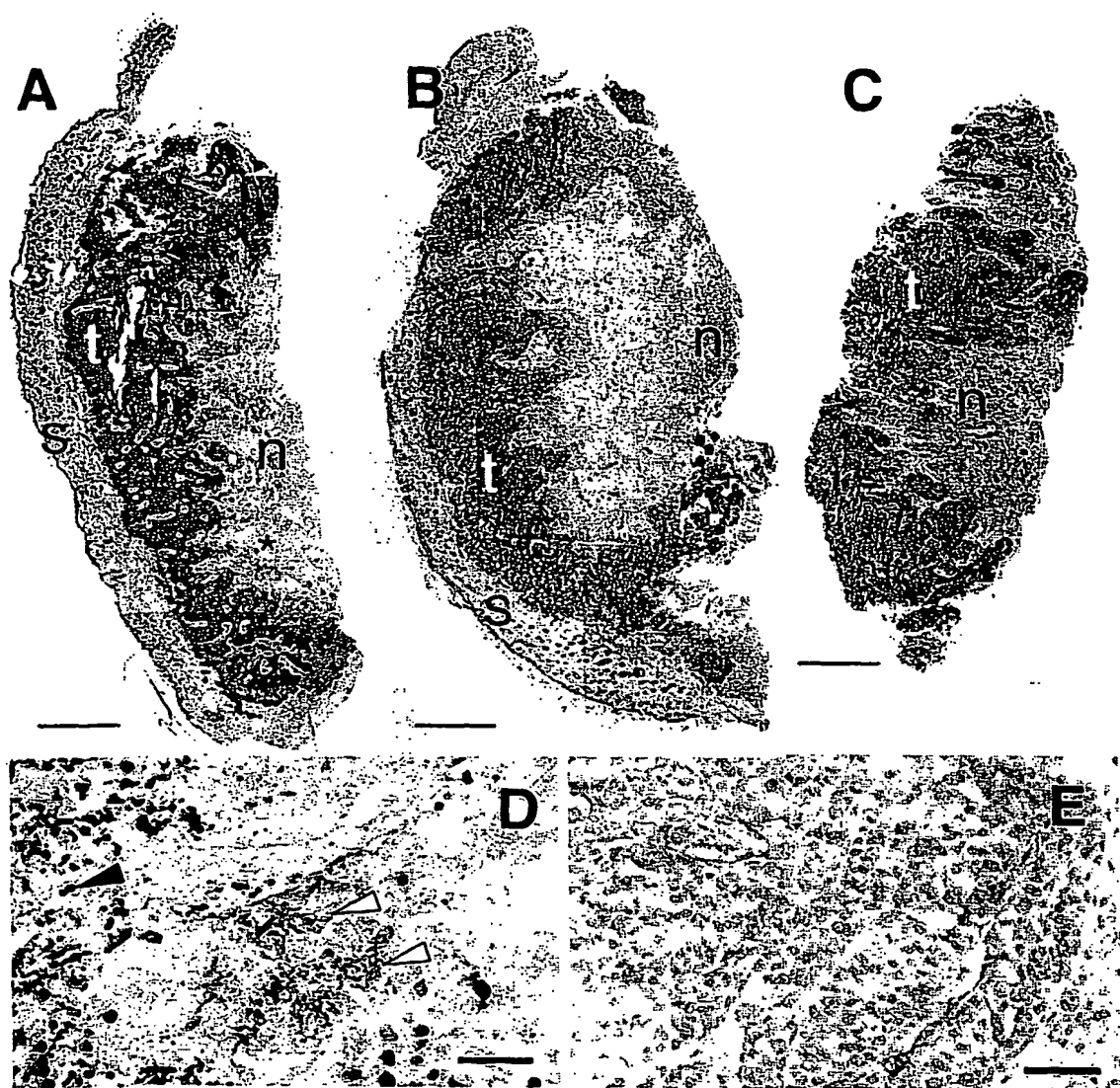
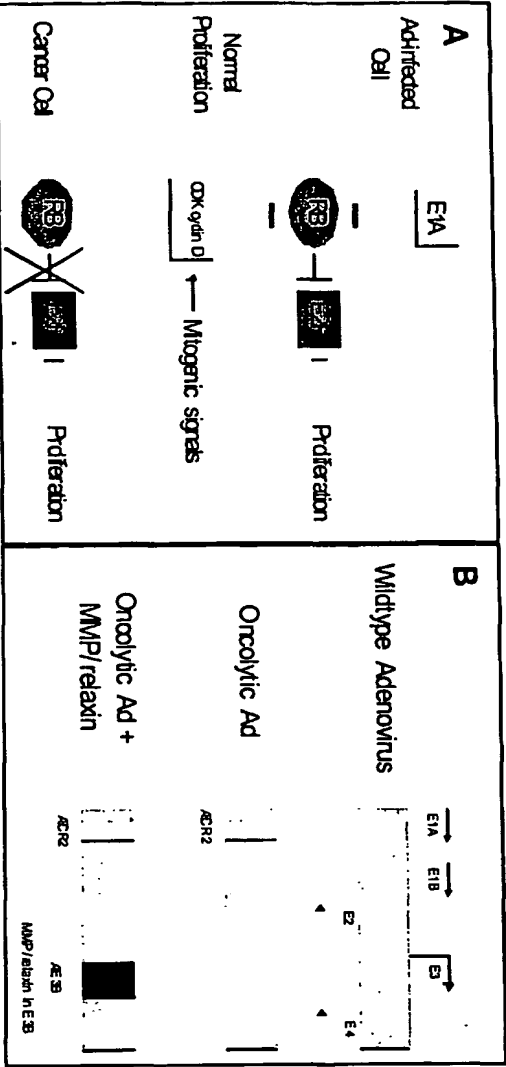


Figure 4

Figure 5



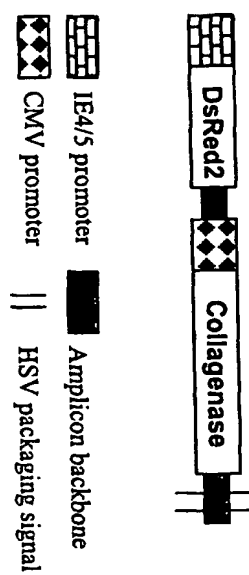


Figure 6

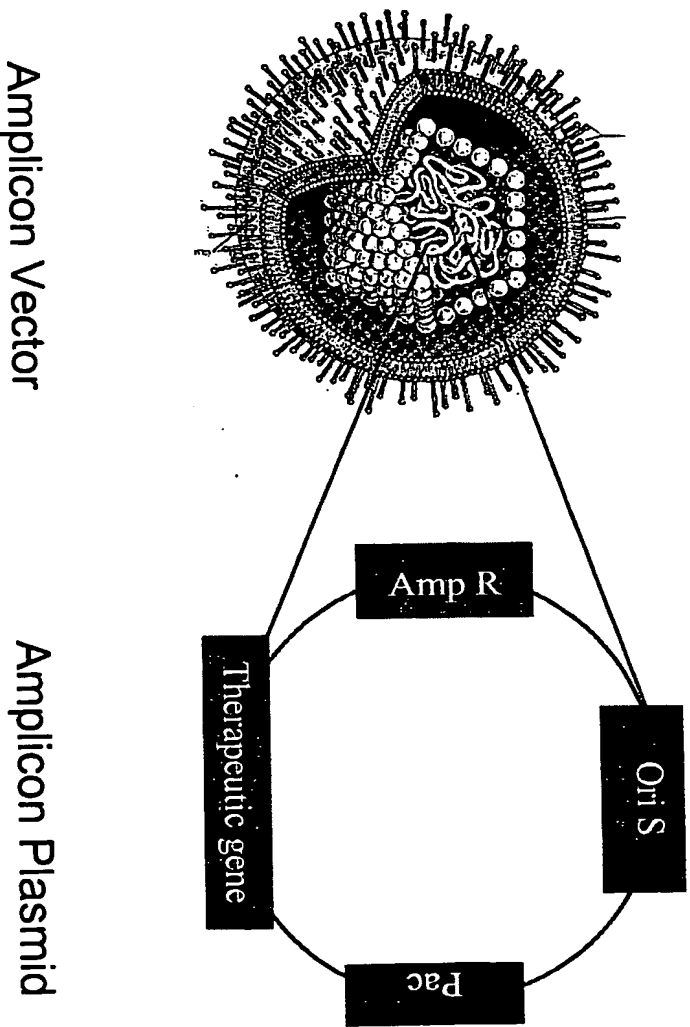


Figure 7

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FIG. 8

Methods for Packaging Vectors

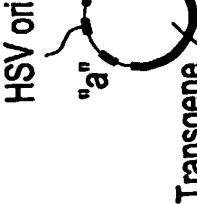
REPLICATION
COMPETENT

REPLICATION
DEFECTIVE

AMPLICONS

HSV-1 Cosmids or HSV-1 Bacterial
Artificial Chromosome

Defective
Helper Virus

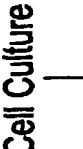


Transgene
Complementing
Cell Line



Defective
Helper Virus

Amplicon Vector



Brain

No Virus
Growth



Cell Culture

No Virus
Yield



Virus Defective
in Essential Genes



Complementing
Cell Line

Virus Growth



Cell Culture

Virus
Yield



Virus with Deletions
of Non-essential Genes



Brain

Limited Virus
Growth

Methods for Packaging Vectors

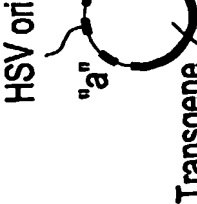
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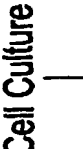


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Virus
Yield



Virus with Deletions
of Non-essential Genes



Brain

Limited Virus
Growth

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FIG. 9

DNA Replication During Packaging

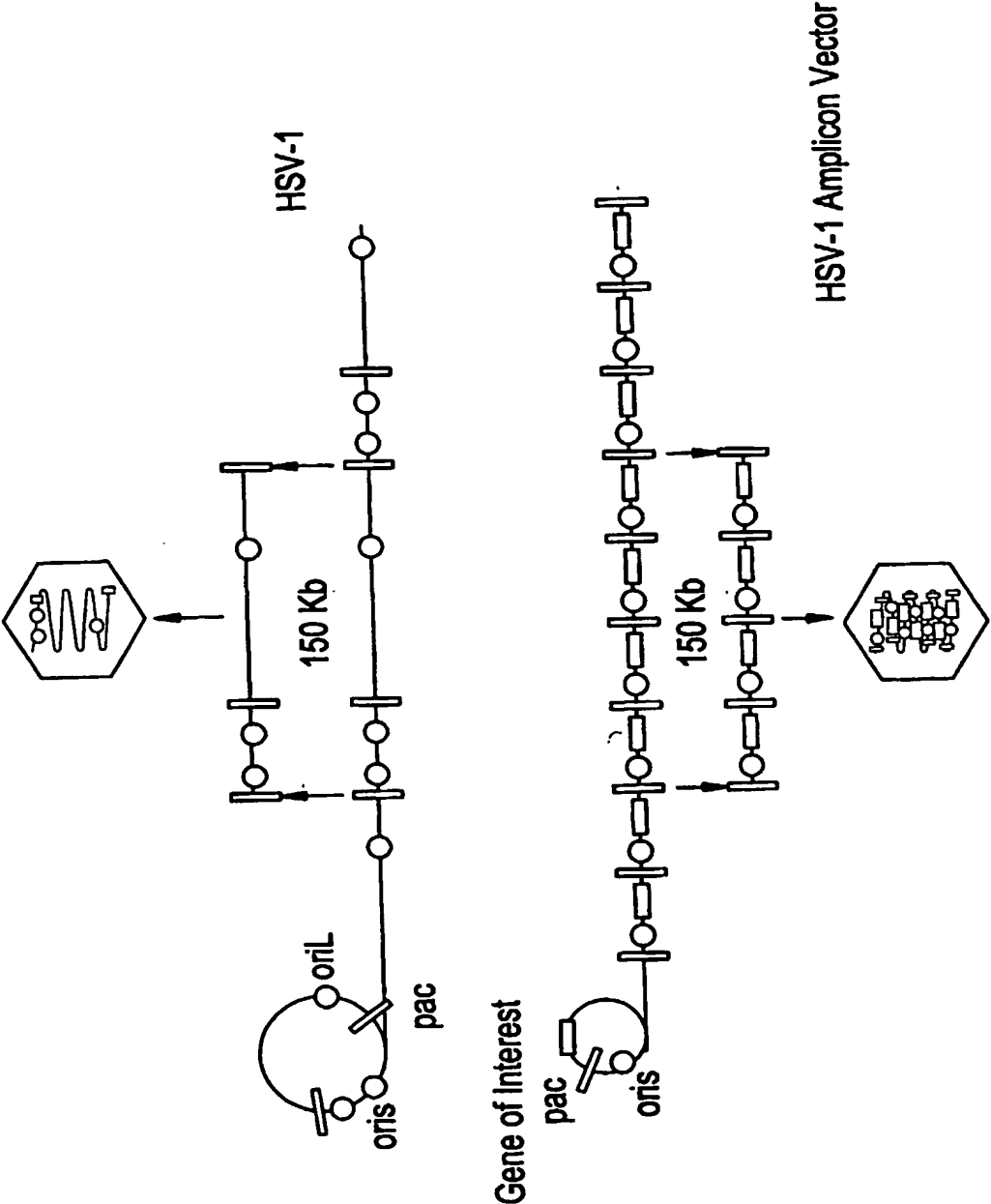
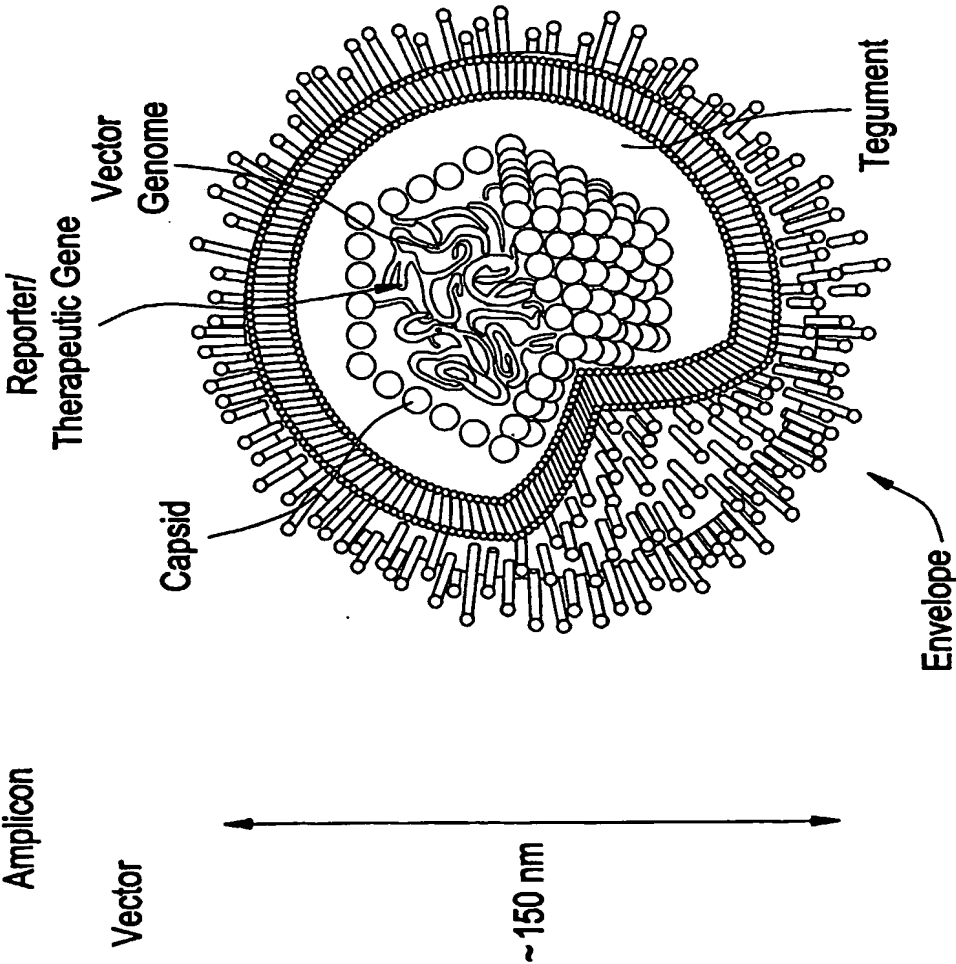


FIG. 10



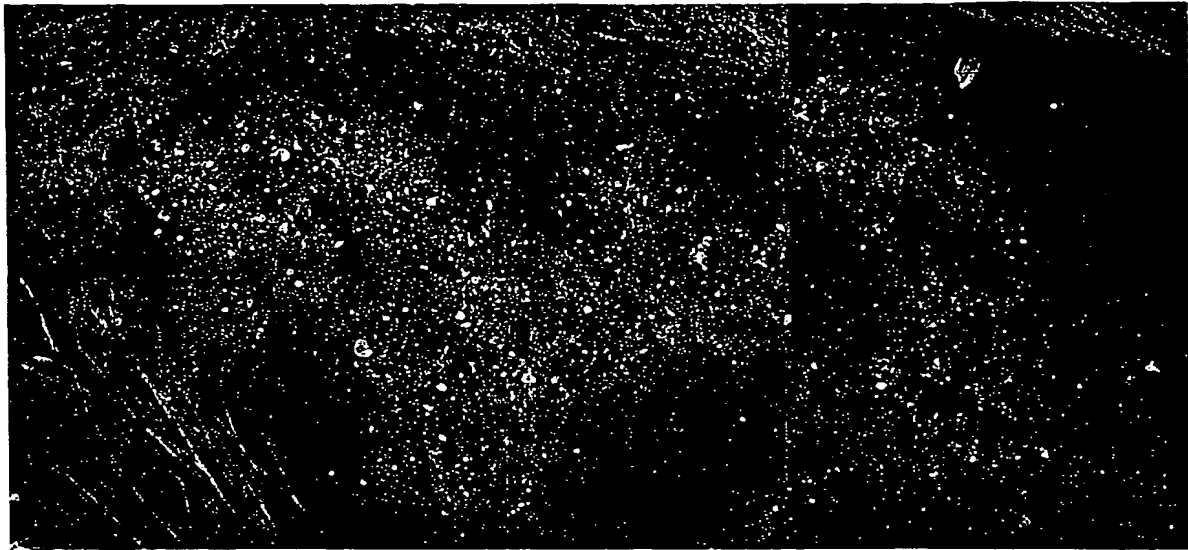


Figure 11